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**MULTIPLE DISCHARGE LOAD ELECTRONIC BALLAST  
SYSTEM**

ABSTRACT OF THE DISCLOSURE

An embodiment of the present invention pertains to  
5 a multiple discharge load electronic ballast system,  
including a distribution bus and a plurality of  
electronic ballasts. The distribution bus has a  
nominal distribution power rating. The plurality of  
electronic ballasts are operatively coupled to the  
10 distribution bus. A respective electronic ballast  
comprises adaptations for DC voltage control and an  
alternating current (AC) output, and has a maximum  
ballast power rating. A sum of the maximum ballast  
power ratings of the plurality of electronic ballasts  
15 is greater than the nominal distribution power rating  
of the distribution bus.